

Complete Listing of the Claims

This Listing of Claims replaces all prior versions of claims in the Subject Application.

1. (Currently amended) A method of controlling self-renewal of a population of human-compatible stem cells by reducing intracellular levels of p18 comprising: delivering small RNA interfering sequences to the human-compatible stem cells for the reduction of p18 levels in the intracellular environment of the stem cells comprising: controlling self-renewal of a population of human-compatible stem cells in an intracellular environment substantially free of p18.
2. (Original) The method of claim 1, wherein said stem cells are predominantly undifferentiated stem cells.
3. (Original) The method of claim 1, wherein said human-compatible stem cells are human stem cells.
- 4-5. (Cancel)
6. (Currently amended) The method of claim 1 5, wherein said self-renewal of said population in a human comprises implanting in said human a stem cell implant therapeutic for said human further comprising implanting human-compatible stem cells into a human;
wherein the implanted human stem cells are self-renewing.
7. (Original) The method of claim 6, wherein said stem cells are predominantly undifferentiated stem cells.
8. (Original) The method of claim 6, wherein said human-compatible stem cells are human stem cells.

9-22. (Cancelled)

23. (New) A method of stimulating self-renewal of a population of human-compatible stem cells by reducing intracellular levels of p18 comprising:

delivering small RNA interfering sequences to the human-compatible stem cells by one of electroporation or lentiviral vector for reduction of p18 levels in the intracellular environment of the stem cells.

24. (New) The method of claim 23, wherein said stem cells are predominantly undifferentiated stem cells.

25. (New) The method of claim 23, wherein said human-compatible stem cells are human stem cells.

26. (New) The method of claim 23, further comprising implanting human-compatible stem cells into a human;

wherein the implanted human stem cells are self-renewing.

27. (New) The method of claim 26, wherein said stem cells are predominantly undifferentiated stem cells.

28. (New) The method of claim 26, wherein said human-compatible stem cells are human stem cells.